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OCTOBER 04, 2001

MICHELE P. TRAVIS
C/O CYMER, INC.
16750 VIA DEL CAMPO COURT
SAN DIEGO, CA 92127

PTAS



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OCT 10 2001

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON; D.C. 20231.

RECORDATION DATE: 07/30/2001

REEL/FRAME: 012032/0677
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DAS, PALASH P.

DOC DATE: 07/25/2001

ASSIGNOR:

YU, JENNAN

DOC DATE: 07/17/2001

ASSIGNOR:

ANDERSON, STUART L.

DOC DATE: 06/21/2001

ASSIGNOR:

SCHILLINGER, HELMUT

DCC DATE: 06/26/2001

ASSIGNOR:

PFLANZ, TOBIAS

DOC DATE: 06/26/2001

ASSIGNOR:

STROWITZKI, CLAUD

DOC DATE: 06/26/2001

ASSIGNOR:

HARTMAN, CLAUDIA A.

DOC DATE: 06/26/2001

012032/0677 PAGE 2

ASSIGNOR:

GEIGER, STEPHAN

DOC DATE: 06/26/2001

ASSIGNOR:

SMITH, BRETT, D.

DOC DATE: 07/05/2001

ASSIGNOR:

PARTLO, WILLIAM N.

DOC DATE: 07/26/2001

ASSIGNEE:

CYMER, INC.

16750 VIA DEL CAMPO COURT

SAN DIEGO, CALIFORNIA 92127

SERIAL NUMBER: 09837035

FILING DATE: 07/30/2001

PATENT NUMBER:

ISSUE DATE:

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08-07-2001

ocket No.: 2001-0021-1

FORM PTO-1595 (Modified)
(Rev. 6-93)
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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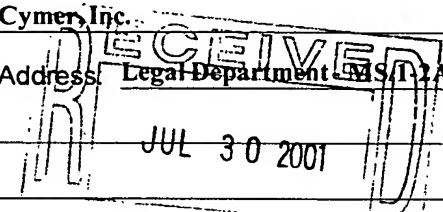
1. Name of conveying party(ies):

a. Palash P. Das f. Claus Strowitzki
b. Jennan Yu g. Claudia A. Hartman
c. Stuart L. Anderson h. Stephan Geiger
d. Helmut Schillinger i. Brett D. Smith
e. Tobias Pflanz j. William N. Partlo

07/30/01

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Cymer, Inc.Internal Address: Legal Department - MS/1-2AStreet Address: 16750 Via Del Campo CourtCity: San Diego State: CA ZIP: 92127

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

a. 7/25/01; b. 7/17/01; c. 6/21/01;

Execution Date: d. e.g. h. 6/26/01; i. 7/5/01;
and j. 7/26/01Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/837,035; filed
4/18/01

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michele P. Travis c/o Cymer, Inc.Internal Address: Legal Department - MS/1-2A

08/06/2001 TBIAZ1 00000078 034060 09837035

01 FC:581 40.00 CH

Street Address: 16750 Via Del Campo CourtCity: San Diego State: CA ZIP: 921276. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

8. Deposit account number:

03-4060

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michele P. Travis

July 26, 2001

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 5

ASSIGNMENT OF PATENT APPLICATION

We; Palash P. Das, Jennan Yu, Stuart L. Anderson, Helmut Schillinger, Tobias Pflanz, Claus Strowitzki, Claudia A. Hartmann, Stephan Geiger, Brett D. Smith and William N. Partlo, the undersigned, have agreed and hereby agree to assign to CYMER, Inc., a Nevada corporation having its principal place of business in San Diego, California (hereinafter CYMER), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to CYMER, its successors and assigns, the entire right, title and interest, including the right of priority, in and to our invention for

HIGH REPETITION RATE GAS DISCHARGE LASER WITH PRECISE PULSE TIMING CONTROL

as described and/or claimed in our application for Letters Patent of the United States of America, filed April 18, 2001 having U.S. Serial No. 09/837,035, and as described and/or claimed in any and all continuations, continuations-in-part (C-I-Ps), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or re-examinations, or extensions of said Letters Patent.

We additionally authorize CYMER to file applications in our name for Letters Patent in any country, to be held and enjoyed by CYMER, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made;

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to CYMER, its successors, assigns, nominees or legal representatives, and we agree to communicate to CYMER, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-Ps, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid CYMER, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by CYMER;

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to CYMER, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

We hereunto set our hands and seals:

Dated: 7/25/2001

Dated: 7/17/2001

Dated: _____

Dated: June 26, 2001

Dated: 6/26/2001

Dated: 7/2/2001

Dated: June 26, 2001

Dated: June 26, 2001

Dated: _____

Dated: 7/26/01

Palash P. Das
Palash P. Das

Jennan Yu
Jennan Yu

Stuart L. Anderson
Stuart L. Anderson

Helmut Schillinger
Helmut Schillinger

Tobias Pflanz
Tobias Pflanz

Claus Strowitzki
Claus Strowitzki

Claudia A. Hartmann
Claudia A. Hartmann

Stephan Geiger
Stephan Geiger

Brett D. Smith
Brett D. Smith

William N. Partlo
William N. Partlo

SIGNED IN COLLENSHAW

CYMER, Inc.
Attn: Legal Dept, CSD1-2A
16750 Via Del Campo Court
San Diego, California 92127

Attorney Docket No. 2001-0021-1

ASSIGNMENT OF PATENT APPLICATION

W ; Palash P. Das, J nnan Yu, Stuart L. Anderson, Helmut Schillinger, Tobias Pflanz, Claus Strowitzki, Claudia A. Hartmann, Stephan Geiger, Brett D. Smith and William N. Partlo, th undersigned, hav agreed and hereby agree to assign to CYMER, Inc., a Nevada corporation having its principal place of business in San Diego, California (hereinafter CYMER), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to CYMER, its successors and assigns, the entire right, title and interest, including the right of priority, in and to our invention for

HIGH REPETITION RATE GAS DISCHARGE LASER WITH PRECISE PULSE TIMING CONTROL

as described and/or claimed in our application for Letters Patent of the United States of America, filed April 18, 2001 having U.S. Serial No. 09/837,035, and as described and/or claimed in any and all continuations, continuations-in-part (C-I-Ps), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or re-examinations, or extensions of said Letters Patent.

We additionally authorize CYMER to file applications in our name for Letters Patent in any country, to be held and enjoyed by CYMER, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made;

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to CYMER, its successors, assigns, nominees or legal representatives, and we agree to communicate to CYMER, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-Ps, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid CYMER, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by CYMER;

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to CYMER, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

We hereunto set our hands and seals:

Dated: _____

Palash P. Das

Dated: _____

Jennan Yu

Dated: 6.21.2001

Stuart L. Anderson

Dated: _____

Helmut Schillinger

Dated: _____

Tobias Pflanz

Dated: _____

Claus Strowitzki

Dated: _____

Claudia A. Hartmann

Dated: _____

Stephan Geiger

Dated: _____

Brett D. Smith

Dated: _____

William N. Partlo

SIG. IN COL. APPA

ASSIGNMENT OF PATENT APPLICATION

We, Palash P. Das, Jennan Yu, Stuart L. Anderson, Helmut Schillinger, Tobias Pflanz, Claus Strowitzki, Claudia A. Hartmann, Stephan Geiger, Brett D. Smith and William N. Partlo, the undersigned, have agreed and hereby agree to assign to CYMER, Inc., a Nevada corporation having its principal place of business in San Diego, California (hereinafter CYMER), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to CYMER, its successors and assigns, the entire right, title and interest, including the right of priority, in and to our invention for

HIGH REPETITION RATE GAS DISCHARGE LASER WITH PRECISE PULSE TIMING CONTROL

as described and/or claimed in our application for Letters Patent of the United States of America, filed April 18, 2001 having U.S. Serial No. 09/837,035, and as described and/or claimed in any and all continuations, continuations-in-part (C-I-Ps), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or re-examinations, or extensions of said Letters Patent.

We additionally authorize CYMER to file applications in our name for Letters Patent in any country, to be held and enjoyed by CYMER, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made;

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to CYMER, its successors, assigns, nominees or legal representatives, and we agree to communicate to CYMER, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-Ps, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid CYMER, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by CYMER;

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to CYMER, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

We hereunto set our hands and seals:

Dated: _____

Palash P. Das

Dated: _____

Jennan Yu

Dated: _____

Stuart L. Anderson

Dated: _____

Helmut Schillinger

Dated: _____

Tobias Pflanz

Dated: _____

Claus Strowitzki

Dated: _____

Claudia A. Hartmann

Dated: _____

Stephan Geiger

Dated: 7/5/01

Brett D. Smith

Dated: _____

William N. Partlo

COPY

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HIGH REPETITION RATE GAS DISCHARGE LASER WITH PRECISE PULSE TIMING CONTROL

the specification of which is attached hereto unless the following box is checked:

(X) was filed on April 18, 2001 as US Application Serial No. 09/837,035
and was amended on n/a if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
N/A			

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE
N/A	

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS (patented/pending/abandoned)
09/748,316	December 22, 2000	Pending
09/684,629	October 6, 2000	Pending
09/608,543	June 30, 2000	Pending
09/370,739	August 9, 1999	Patented
09/118,773	July 18, 1998	Patented

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

John R. Ross, Reg. No. 30,350

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

ATTORNEY DOCKET NO. 2001-0021-1

Send Correspondence to:
Legal Department
CYMER, INC.
16750 Via Del Campo Court
San Diego, California 92127-1712

Direct Telephone Calls to:
JOHN R. ROSS (858) 385-7185

Direct Facsimile Transmissions to:
JOHN R. ROSS (858) 385-6025

I hereby declare that all statements herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor (please print): Palash P. Das **Citizenship:** United States

Residence/Post Office Address: 2029 Paseo De Anza
Vista, California 92084

Inventor's Signature: Palash P. Das **Date:** July 25, 2001

Full Name of Inventor (please print): Jennan Yu **Citizenship:** Singapore

Residence/Post Office Address: 13693 Shoal Summit Drive
San Diego, California 92128

Inventor's Signature: Jennan Yu **Date:** July 17, 2001

Full Name of Inventor (please print): Stuart L. Anderson **Citizenship:** United States

Residence/Post Office Address: 4407 Benhurst
San Diego, California 92122

Inventor's Signature: _____ **Date:** _____

Full Name of Inventor (please print): Helmut Schillinger **Citizenship:** Germany

Residence/Post Office Address: Hoehenkircherstr. 27
81245 Muenchen, Germany

Inventor's Signature: Helmut Schillinger **Date:** June 26, 2001

Full Name of Inventor (please print): Tobias Pflanz **Citizenship:** Germany

Residence/Post Office Address: Frauenlobstr. 26 Rg.
80337 Munchen, Germany

Inventor's Signature: Tobias Pflanz **Date:** 6/26/2001

SIGNED IN COUNTERPARTS

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

ATTORNEY DOCKET NO. 2001-0021-1

Send Correspondence to:
Legal Department
CYMER, INC.
16750 Via Del Campo Court
San Diego, California 92127-1712

Direct Telephone Calls to:
JOHN R. ROSS (858) 385-7185

Direct Facsimile Transmissions to:
JOHN R. ROSS (858) 385-6025

I hereby declare that all statements herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

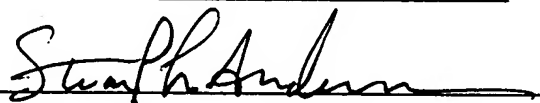
Full Name of Inventor (please print): Palash P. Das Citizenship: United States
Residence/Post Office Address: 2029 Paseo De Anza
Vista, California 92084

Inventor's Signature: _____ Date: _____

Full Name of Inventor (please print): Jennan Yu Citizenship: Singapore
Residence/Post Office Address: 13693 Shoal Summit Drive
San Diego, California 92128

Inventor's Signature: _____ Date: _____

Full Name of Inventor (please print): Stuart L. Anderson Citizenship: United States
Residence/Post Office Address: 4407 Benhurst
San Diego, California 92122

Inventor's Signature:  Date: 6.21.2001

Full Name of Inventor (please print): Helmut Schillinger Citizenship: Germany
Residence/Post Office Address: Hoehenkircherstr. 27
81245 Muenchen, Germany

Inventor's Signature: _____ Date: _____

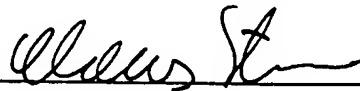
Full Name of Inventor (please print): Tobias Pflanz Citizenship: Germany
Residence/Post Office Address: Frauenlobstr. 26 Rg.
80337 Munchen, Germany

Inventor's Signature: _____ Date: _____

SIGNED IN COUNTERPART

Full Name of Inventor (please print): Claus Strowitzki Citizenship: Germany

Residence/Post Office Address: Megginhartstr. 1
82205 Gilching, Germany

Inventor's Signature:  Date: July 2, 2001

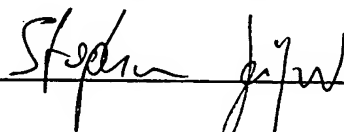
Full Name of Inventor (please print): Claudia A. Hartmann Citizenship: Germany

Residence/Post Office Address: Leonhardstr. 52
86415 Mering, Germany

Inventor's Signature:  Date: June 26, 2001

Full Name of Inventor (please print): Stephan Geiger Citizenship: Germany

Residence/Post Office Address: Dorfstr. 53
85241 Herbertshausen, Germany

Inventor's Signature:  Date: June 26, 2001

Full Name of Inventor (please print): Brett D. Smith Citizenship: United States

Residence/Post Office Address: 3421 Frisby
Cody, Wyoming 82414

Inventor's Signature: _____ Date: _____

Full Name of Inventor (please print): William N. Partlo Citizenship: United States

Residence/Post Office Address: 12634 Pedriza Drive
Poway, California 92064

Inventor's Signature:  Date: 7/25/01

Full Name of Inventor (please print): Claus Strowitzki Citizenship: Germany
Residence/Post Office Address: Megginhardsstr. 1
82205 Gilching, Germany

Inventor's Signature: _____ Date: _____


Full Name of Inventor (please print): Claudia A. Hartmann Citizenship: Germany
Residence/Post Office Address: Leonhardstr. 52
86415 Mering, Germany

Inventor's Signature: _____ Date: _____

Full Name of Inventor (please print): Stephan Geiger Citizenship: Germany
Residence/Post Office Address: Dorfstr. 53
85241 Herbertshausen, Germany

Inventor's Signature: _____ Date: _____

Full Name of Inventor (please print): Brett D. Smith Citizenship: United States
Residence/Post Office Address: 3421 Frisby
Cody, Wyoming 82414

Inventor's Signature:  Date: 7/5/01

Full Name of Inventor (please print): William N. Partlo Citizenship: United States
Residence/Post Office Address: 12634 Pedriza Drive
Poway, California 92064

Inventor's Signature: _____ Date: _____